

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Material, comprising a hydrogen storage component ~~suitable for hydrogen storage purposes~~ selected from alkali alanate, a mixture of aluminum metal with alkali metal and/or alkali metal hydride and magnesium hydride ~~or~~ and mixtures thereof, ~~characterized in that~~ wherein the hydrogen storage component is encapsulated in a porous matrix.
2. (Currently Amended) Material according to claim 1, wherein said porous matrix is selected from solid inorganic materials, ~~preferably from porous carbon, mesostructured carbon, carbon xerogel, carbon aerogel, silica aerogel, silica xerogel, zeolite.~~
3. (Currently Amended) Material according to claim 1 ~~or~~ 2, wherein said porous matrix comprises porous metal organic frameworks.
4. (Currently Amended) Material according to claim 1, ~~characterized in that~~ wherein the hydrogen storage component ~~contains~~ comprises a transition metal, transition metal compound, rear-earth metal and/or rear-earth metal compound.
5. (Currently Amended) ~~process~~ Process for preparing ~~of a~~ material comprising a hydrogen storage component ~~suitable for hydrogen storage purposes~~ selected from alkali alanate, a mixture of aluminum metal with alkali metal and/or alkali metal hydride and magnesium hydride ~~or~~ and mixtures thereof, comprising the steps of impregnating ~~the a~~ porous matrix material with a solution and/or suspension of said hydrogen storage components in an organic solvent and removing the organic solvent.
6. (Canceled) ~~Use of material according to any of claims 1 to 5 as a hydrogen storage material, especially for supplying fuel cell systems of fuel cell vehicles with hydrogen.~~

7. (New) A vehicle comprising a fuel cell system supplied with hydrogen from a material according to claim 1.
8. (New) Material according to claim 1, wherein said solid inorganic materials are selected from the group consisting of porous carbon, mesostructured carbon, carbon xerogel, carbon aerogel, silica aerogel, silica xerogel, and zeolite.
9. (New) A method of storing and releasing hydrogen, comprising :
- a) providing a material according to claim 1; and
 - b) storing and releasing hydrogen from material.